

Contents of Volume 165

Vol. 165 Nos. 1–3

(Special Issue: Adhesion of Submicron Particles on Solid Surfaces)

Foreword	1
The adhesion of dry particles in the nanometer to micrometer-size range D.S. Rimai, D.J. Quesnel (Rochester, NY, USA) and A.A. Busnaina (Potsdam, NY, USA)	3
Small particle adhesion: measurement and control H. Mizes, M. Ott, E. Eklund and D. Hays (Webster, NY, USA)	11
The specificity of biomolecular particle adhesion J.J. Ramsden (Basle, Switzerland)	25
Optical properties of colloidal films G.J.M. Koper (Leiden, The Netherlands)	39
Deposition and detachment studies of fine particles by the packed column technique N.P. Ryde and E. Matijević (King of Prussia, PA, USA)	59
Diffusional deposition of colloidal particles: electrostatic interaction and size polydispersity effects M. Semmler (Schlieren, Switzerland), J. Rička (Bern, Switzerland) and M. Borkovec (Potsdam, NY, USA)	79
Transient behavior of particle deposition in granular media under various surface interactions R. Bai and C. Tien (Singapore, Singapore)	95
Determination of iso-electric point of silicon nitride by adhesion method J. Bišćan, N. Kallay and T. Smolić (Zagreb, Croatia)	115
Size does matter: electrostatically determined surface coverage trends in protein and colloid adsorption Y. Yuan (Newark, DE, USA), M.R. Oberholzer (East Hanover, NJ, USA) and A.M. Lenhoff (Newark, DE, USA)	125
DLVO interaction energy between spheroidal particles and a flat surface S. Bhattacharjee, J.Y. Chen and M. Elimelech (New Haven, CT, USA)	143
Role of convection in particle deposition at solid surfaces Z. Adamczyk, P. Warszyński, L. Szyk-Warszyńska and P. Weroński (Cracow, Poland)	157
Electrostatic effects on resuspension of rigid-link fibers in turbulent flows M. Soltani, G. Ahmadi (Potsdam, NY, USA) and S.C. Hart (Webster, NY, USA)	189
Fiber deposition models in two and three spatial dimensions N. Provatas (Urbana, IL, USA), M. Haataja (Montréal, Canada), J. Asikainen, S. Majaniemi (Helsinki, Finland), M. Alava (Espoo, Finland) and T. Ala-Nissila (Helsinki, Finland)	209
Dynamics of nonequilibrium deposition V. Privman (Potsdam, NY, USA)	231
Relaxation effects in random sequential adsorption: application to chemisorption systems E.W. James, D.-J. Liu and J.W. Evans (Ames, IA, USA)	241
Irreversible adsorption of colloidal particles on solid substrates B. Senger, J.-C. Voegel and P. Schaaf (Strasbourg, France)	255
From car parking to protein adsorption: an overview of sequential adsorption processes J. Talbot (Pittsburgh, PA, USA), G. Tarjus (Paris, France), P.R. Van Tassel (Detroit, MI, USA) and P. Viot (Paris, France)	287
Series expansion and computer simulation studies of random sequential adsorption J.-S. Wang (Singapore, Singapore)	325
Lattice RSA and the Gaussian-mean spherical strategy J.K. Percus (New York, NY, USA)	345
Irreversible random sequential adsorption of mixtures J. Woo Lee (Inchon, South Korea)	363
Island formation during deposition or etching M.C. Bartelt (Livermore, CA, USA), J.B. Hannon (Pittsburgh, PA, USA), A.K. Schmid (Livermore, CA, USA), C.R. Stoldt and J.W. Evans (Ames, IA, USA)	373
Computer simulations of steepest descent ballistic deposition R. Jullien (Montpellier, France) and P. Meakin (Oslo, Norway)	405

<i>Calendar</i>	423
<i>Author Index</i>	425
<i>Subject Index</i>	427
<i>Contents of Volume 165</i>	429

